

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:
2. The present invention is directed to a high speed dubbing apparatus.

Independent claim 1 identifies the uniquely distinct features "a first sum is less than both a second sum and a third sum, the first sum is a sum of: a time required for the first buffer to output the bit stream stored in the first buffer, a time required for the navigation pack generator to replace the real-time data information pack with the navigation pack, and a time required for the second buffer to store the resultant bit stream, the second sum is a sum of: a time required for the read section to read the bit stream from the first storage device, a time required for the read section to analyze the readout bit stream, and a time required for the first buffer to store the readout bit stream, and the third sum is a sum of: a time required for the second buffer to output the bit stream stored in the second buffer, a time required for the write section to convert the bit stream output from the second buffer, and a time required for the write section to write the converted bit stream in the second storage device". Independent claim 21 identifies the uniquely distinct features "a buffer checking unit for measuring the capacity of a cache memory included in the first storage device by performing reading from the first storage device, for measuring the capacity of a cache memory included in the second storage device by performing writing in the second storage device, and for outputting a smaller one of obtained measurement results, wherein the capacity of the buffer is changed to a capacity indicated by the measurement result, and the read section and the write

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section operate in parallel." The closest prior arts, Shimizu et al. (US 2003/0152372) and Fukuchi (US 7,057,986) disclose the conventional high speed dubbing apparatus, either singularly or in combination, fail to anticipate or render the above underlined limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAT CHI CHIO whose telephone number is (571)272-9563. The examiner can normally be reached on Monday - Thursday 9:00 AM-5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. C. C./
Examiner, Art Unit 2481
/William C. Vaughn, Jr./
Supervisory Patent Examiner, Art Unit 2481